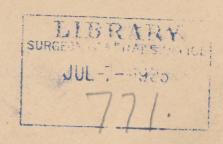
WILLIAMS (J.W.)

THE FREQUENCY OF CONTRACT-ED PELVES IN THE FIRST THOUSAND WOMEN DELIV-ERED IN THE OBSTETRICAL DEPARTMENT OF THE JOHNS HOPKINS HOSPITAL

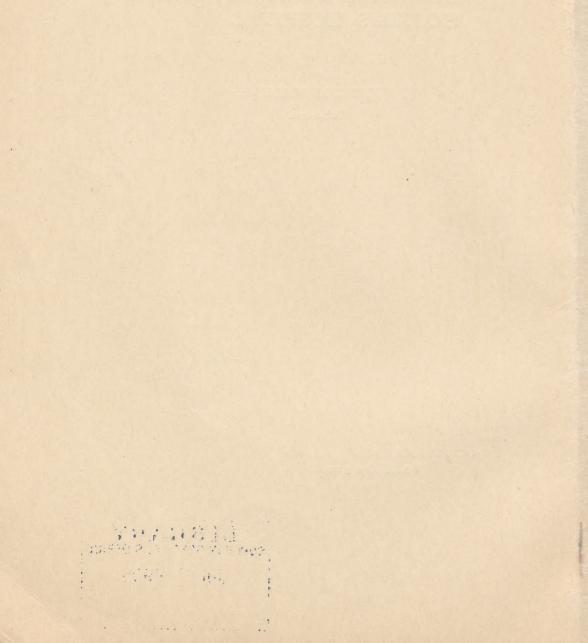
J. WHITRIDGE WILLIAMS,
BALTIMORE.



FROM

OBSTETRICS,

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THE FREQUENCY OF CONTRACTED PELVES IN THE FIRST THOUSAND WOMEN DELIVERED IN THE OBSTETRICAL DEPARTMENT OF THE JOHNS HOPKINS HOSPITAL.*

By J. WHITRIDGE WILLIAMS,

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N 1891, in an article entitled Pelvimetry for the General Practitioner, I directed attention to the slight importance which was attached to pelvimetry in this country, and urged that it be made an integral part of the examination of every pregnant and parturient woman, and stated: "That any one who will regularly pursue this course will be amazed to find how many contracted pelves exist, and will then be able to explain in a rational way many difficult cases of transverse and other presentations, which previously he merely turned or delivered by forceps or cranioclast, and whose abnormal presentation or mechanism he ascribed to some freak of nature, rather than to a rational and sufficient cause."

Even since then I have taken an especial interest in the subject, and when the Obstetrical Department of the Johns Hopkins Hospital was opened, I made pelvimetry as important

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a part of the obstetrical examination as the determination of the position and presentation of the child.

In 1896, I reported to the Medical and Chirurgical Faculty of Maryland, the results obtained by pelvimetry in the first 100 cases which came into our hands, and stated that contracted pelves occurred in 15 per cent. of them; and the following year my assistant, Dr. Dobbin, read a report based upon 350 cases, in which he found 11.45 per cent. of contracted pelves.

Several months ago, we completed the delivery of our first 1,000 cases, and this evening I desire to report the frequency with which we observed contracted pelves in this number of cases.

As yet there is absolutely no agreement among the authors as to the frequency of contracted pelves, neither in this country nor abroad, as is demonstrated by the statistics of Fancourt Barnes of London, and Franke of Leopold's Clinic in Dresden, the former observing them in 0.5 per cent., and the latter in 24.3 per cent. of his cases.

The divergence in the statements of the various authors can probably best be shown by considering separately the work which has been done in the various countries. The following table showing the percentage of cases in which the various German observers noted contracted pelves:

LeopoldDresden,	in	2,512	cases	observed	24.3	%	contracted	pelves.
Schwartz "	66	463	66	- "	22	"		"
Weidenmüller, Marburg,	66	3,224	44	66	18.7	66	66	4.6
Müller Berne,	66	1,177	6.6	4.6	16	"		66
LitzmannKiel,	66	1,000	66	**	I4.9	66	6.6	6.6
KöttgenBonn,	66	2,000	66	66	13.45	66	66	66
MichaelisKiel,	6.6	1,000	66	6.6	13	66	66	66
DohrnKönigsberg,	66		6.6	4.6	12.18	66	4.6	66
Fuchs Erlangen,	66	1,766	66	4.6	11.43	6.6	66	66
PfundMunich,	66	1,199	66	4.6	9.5	4.6	44	4.6
SchatzRostock,	6.6		"	"	9	64	5.6	66
HeinsiusBreslan,	66	1,641	66	66	8.5	66	46	- 66
GönnerBasel,	66	2,433	66	66	7,9	66	66	66

It is therefore apparent that the percentage of contracted pelves in Germany varies between 24.3 and 7.9; or in other words, every fourth to every thirteenth German woman has a contracted pelves, according to the statistics of the various clinics.

In the Austrian Empire, on the other hand, contracted pelves would appear to occur less frequently, as:

And it would therefore appear that the highest percentage of contracted pelves in Austria is slightly less than is noted in the German Clinic, which offers the lowest percentage of such cases.

In France, contracted pelves appear to occur less frequently than in Germany, and more frequently than in the Austrian Empire, as is shown by the following figures from Paris, where Tarnier (Bonnaire) observed 16 per cent. of contracted pelves in 715 cases, Budin 8 per cent. in 7,687, and Pinard about 5 per cent. in several thousand cases.

The figures from Russia apparently indicate that contracted pelves are comparatively rare among the Slavonic races, as:

Buchhloz, of Dorpat, observed them in 5.1 per cent., and Hugenberger, of St. Petersburg, in 1.2 per cent. of his cases.

In America we find very few specific statements as to the frequency of contracted pelves, but in most of the text-books we find the assertion that contracted pelves are very rare in this country. Lusk, for example, remarks that they occur very rarely in the native-born American women, while rachitis and osteomalacia are absolutely unknown. Hirst, on the other hand, states that their frequency has been markedly under-estimated, and that no one who practices obstetrics can fail to observe a certain number of such cases.

The only statistical statements which I have been able to find are the following:

Dobbin, Baltimore, in	350	cases,	11.45%
Crossen. St. Louis, in	800		7 "
Reynolds, Boston, in	2,127	ic	1.13 "
Flint, New York, in	10,233	"	1.42 "

From these figures, it would accordingly appear that contracted pelves are very rare in America, or occur comparatively frequently, according as the statistics are collected in one city or another.

The question, then, naturally arises as to how we can account for these differences, and to it several answers may be given. In the first place, the difference may be due to a lack of unanimity as to what constitutes a contracted pelvis. Certain authors recognizing as contracted only those pelves which are so deformed as to offer a marked obstacle to the passage of the child, and which necessitate operative interference; while others designate as contracted any pelvis which is so shortened in one or more diameters as to affect the mechanism of labor, without necessarily retarding the birth of the child. Reynolds' statistics are based upon the former, and Dobbin's upon the latter conception.

The difference may also be explained by variations in the methods of mensuration. Certain authors, as Leopold, for example, obtain their high percentages by depending upon the external measurements, while others base their statements only upon the direct measurement of the diagonal conjugate.

Another source of difference may be found in the manner in which the cases are chosen for mensuration. Certain authors measure every case which comes into their hands, others the majority of their cases; while still others, as Reynolds, for example, measure; only those cases which require operative interference.

We must also consider the possibility of contracted pelves being more frequent in one country than another, and even in certain portions of the same country. The correctness of this supposition is apparently borne out by the tables of frequency which we have already adduced for the various countries, and it is well known that the Clinics of Dresden and Liepzig offer a greater percentage of contracted pelves than the North German Clinics; and it is generally stated that the women of Holstein have the most normal pelves in Europe.

Our conception of a contracted pelvis is the one which was introduced by Michaelis and Litzmann, and like them we consider a pelvis as contracted when one or more of its diameters is so shortened as to lead to an abnormality in the mechanism of labor, without necessarily retarding the birth of the child. Litzmann considered as contracted all flat pelves having a conjugata vera of 9.5 cm. or less, and all generally contracted pelves having a conjugata vera of 10 cm. or less.

As the conjugata vera is estimated from the conjugata diagonalis by the reduction of 1.5 to 2 cm. according to the height and inclination of the symphysis pubis, and as the amount to be deducted is a matter of individual judgment, and varies with the observer, we have thought it best to classify our cases according to the length of the conjugata diagonalis, instead of the vera, and have considered as contracted the flat pelves which present a conjugata diagonalis of 11 cm. or less, and the generally contracted pelves having a conjugata diagonalis of 11.5 cm. or less. If one subtracts 1.5 cm. from the the conjugata diagonalis to estimate the vera, our limits would correspond exactly with those of Litzmann; while, if 2 cm. were subtracted, they would be slightly lower than his.

In all of our cases the usual external measurements were made with a Martin pelvimeter, and in all but a few the diagonal conjugate was measured with the finger, and in a few cases Skutsch's pelvimeter was used. In the out-patient department, no matter what the external measurements may be, the determination of the length of the conjugata diagonalis forms an integral part of the examination of every pregnant woman. In the hospital, on the other hand, it is not measured before labor, unless the external measurements indicate the possibility of pelvic deformity; but it is measured in every case at the time of labor, if the head has not descended too deeply into the pelvis; otherwise it is measured at the final examination before the patient leaves the hospital.

With increased experience in pelvimetry, I have learned to place less and less reliance upon external pelvic mensuration as a means of ascertaining the degree of pelvic contraction, and I believe that its only value is to indicate the possibility of the existence of pelvic deformity, and to give us a clue to the variety of pelvis with which we have to deal.

This observation is especially true of colored women, and I have no hesitancy in saying that in at least 50 per cent. of the colored women, which I have examined, the external pelvic measurements differ markedly from the normal, while the internal measurements are normal or only slightly altered. Not infrequently I have found a pelvis to be practically normal upon internal examination when all of its transverse external measurements were shortened and its Baudelocque diameter reduced to 17 cm. or less.

Following these principles, we have measured the pelves of 1,000 women, 650 of whom were delivered in the out-patient department and the remainder in the Hospital, and have found that 131 of them (13.1 per cent.) possessed contracted pelvis. (See large tables at end of article). In this number, we found

79 generally contracted pelves	7.9	%
25 simple flat pelves	2.5	6.6
20 rachitie	2	4.6
7 irregular forms of contraction	7	66

Among the irregular forms, we observed 4 oblique pelves, 3 due to coxalgia and 1 to a unilateral congenital dislocation of the hip; 1 flat pelvis due to double congenital dislocation of the hips; 1 osteomalactic and 1 spondylolysthetic pelvis. (See table iv.).

While the majority of the pelves observed presented only moderate degrees of contraction, there were 12 cases in the series which had a conjugata vera of 8 cm. or less, 5 of this number being rachitic (see table iii.), 5 generally contracted pelves (see table i.), and one case each of osteomalacia and spondolysthesis (see table iv.). Two of these cases were delivered by symphyseotomy, and at least two, and probably three, of the others would have been delivered by Caesarian section had we seen them before the death of the child

When we consider the results obtained in the treatment of our 131 cases, we find that 69.4 per cent. of the women had spontaneous and 35.1 per cent. operative labors; 82.44 per cent. of the children being born alive and 17.56 per cent. dead. Three of the mothers died, but only in one instance could the death be attributed to our intervention, and this was a case of infection after symphyseotomy. The other two deaths were in the out-patient department, but neither of them could be attributed to us, as we did not see the first case until she had been in labor for several days and was profoundly infected with the bacillus ærogenes capsulatus and streptococcus, and in a dying condition when first seen; while the other death was due to rupture of the uterus, which occurred before we saw the patient, who refused all treatment, except the delivery of the child, whose head was on the perineum. Our maternal mor-

tality was therefore only 0.76 per cent. I shall not consider the details of the various operations, as they will be reported separately by Dr. Dobbin in the next number of Obstetrics.

TABLE I.

							_		_	_			_	
GENERALLY CONTRACTED PELVES.	No. of Cases.	White.	Black.	Spontaneous.	Operative, White.	Operative, Black.	Forceps.	Extraction.	Version.	Distinctive, Op.	Symphyseotomy.	Live Child.	Dead Child.	Dead Mother.
Conjugata diagonalis 11.5														
cm. vera 9.5 cm Conjugata diagonalis 11.25	13	3	10	10	I	2	2	I				II	2	I
cm., vera 9.25 cm	8	2	6	6	12			I	I			6	2	
Conjugata diagonalis 11 cm														
vera 9 cm	19	3	16	13	2	4	4		I	I		16	3	
Conjugata diagonalis 10.75	-		_											
cm., vera 8.75 cm Conjugata diagonalis 10.50	I		I	I								I		
cm., vera 8.25 cm	9	I	8	7	I	I			I	I		5	4	I
Conjugata diagonalis 10.25												-	-	
cm., vera 8.25 cm	2	I	I	12								2		
Conjugata diagonalis 10 cm vera, 8 cm	4	п	3	I		3	2	-	I			-	-	
Conjugata diagonalis 9 cm	4		3	-		5	2		1			3	I	
vera 7 cm	I		I			I	I					I		
Conjugata diagonalis not														
measured	22	3	19	21	I		I					19	3	
Total	79	14	65	61	7	II	10	2	4	2		64	15	2
	19	-	-5		1				1				-3	-

TABLE II.

SIMPLE FLAT PELVES.	No. of Cases.	White.	Black.	Spontaneous.	Operative, White.	Operative, Black.	Forceps.	Extraction.	Version.	Distinctive Op.	Symphyseotomy.	Live Child.	Dead Child,	Dead Mother.
Conjugata diagonalis II cm., 9 cm	13	7	6	8	5		I	I	3			12	I	
Conjugata diagonalis 10.75 cm., vera 8.75 cm	1	I		ı								I		
Conjugata diagonalis 10.50 cm., vera 8.50 cm Conjugata diagonalis 10.25	8	6	2	6	2				2			8		
cm., vera 8.25 Conjugata diagonalis 10 cm., vera 8 cm														
Conjugata diagonalis not measured	3	2	1	1	I	I	2					3		
Total	25	16	9	16	8	I	3	I	5			24	1	

TABLE III.

RACHITIC PELVES.	No. of Cases.	White.	Black.	Spontaneous.	Operative, White.	Operative, Black.	Forceps.	Extraction.	Version.	Distinctive Op.	Symphyseotomy.	Live Child.	Dead Child.	Dead Mother.
Conjugata diagonalis 11 cm, vera 9 cm. Conjugata diagonalis 10.75 cm., vera 8.75 cm Conjugata diagonalis 10.55 cm., vera 8.50 cm Conjugata diagonalis 10.25 cm., vera 8.25 cm. Conjugata diagonalis 10 cm., vera 8.25 cm. Conjugata diagonalis 9.75 cm., vera 8.25 cm. Conjugata diagonalis 9.50 cm., vera 7.50 cm. Conjugata diagonalis 9.50 cm., vera 7.50 cm. Conjugata diagonalis 9.25 cm., vera 7.50 cm.	2 2 I	2 1			2 I		5 I		 I	····		I I		
Conjugata diagonalis not measured	20	3	17	6	3	11	7	2	3	т		15	5	

TABLE IV.

RARER FORMS OF CONTRACTED PELVES.	No. of Cases.	White.	Black.	Spontaneous.	Operative, White.	Operative, Black.	Forceps.	Extraction.	Version.	Distinctive Op.	Symphyseotomy.	Live Child.	Dead Child.	Dead Mother.
Osteomalacia Obliquely contracted, cox-	I	1			I					I			I	
algicObliquely contracted, con-	3	3			3		I		2			2	I	
genital contraction of R. hip	I		I	I								I		
hipsSpondylolisthesis	I	1	 I	Ι								I		
Total	7	5	2	2	4	1	I		2	I	I	5	12	

Just after the appearance of my first paper on contracted pelves, in which I stated that they occurred in 15 per cent. of our first 100 cases, Dr. Edward Reynolds, of Boston, wrote me that he believed that the great difference between his figures and mine (1.13 and 15 per cent.) was due to the presence

of a large number of colored patients in our service, which were entirely absent from his.

In view of this suggestion, it will be interesting to study our cases from this point of view, and determine whether any difference can be observed in the frequency of contracted pelves in the white and black women, whom we have delivered.

In our 1,000 cases we delivered 531 white and 469 black women, and on analyzing our 131 cases of contracted pelves we find that 38 of them occurred in white and 93 in black women, giving a frequency of 7.15 per cent. in white women and 19.83 per cent. in black women.

In other words, we find that contracted pelves occur 2.77 times more frequently in the black than in the white women, whom we have observed. These figures apparently prove the correctness of Reynolds' supposition; but when we examine them more closely we find that there are 7.15 per cent. of contracted pelves in our white women, compared to 1.13 per cent. in his material. It appears, however, that he measured only his operative cases, and estimated, had he measured all of his cases, that he would have had a percentage of 6.8, which approximates very closely our figures for white women.

Admitting the correctness of Reynolds' estimate, the only difference between our observations and his upon white women would lie in the fact that the vast majority of his cases were foreign-born, compared to about 20 per cent. of our cases; and it would, therefore, appear that contracted pelves are more frequent among the native-born white women of Baltimore than of Boston.

Having ascertained this marked difference in the frequency of contracted pelves in the black and white races, it will be interesting to ascertain if there is any difference in the varieties of pelves and the degree of contraction in the two races. On analyzing the pelves which present a conjugata vera of 8 cm. or less, we find that only three of them occur in white and the remaining nine in colored women, thus apparently demonstrating the occurrence of more marked degrees of contraction in the black race (see tables i., ii., iii.).

A glance at table www. will show that there is a marked difference in the forms of contracted pelves observed in the two races, the simple flat being the most frequent and the

rachitic pelvis the least frequent in white women; while in black women the generally contracted pelvis is the most frequent and the rachitic pelvis second in frequency.

TABLE V.

Variety of Pelvis.	No. in 1,000 cases.	No. in 33 whites.	No. in 469 Blacks.	Per cent. in 1,000 cases.	Per cent. in 231 whites.	Per cent. in 469 Blacks.
Generally contracted. Simple flat. Rachitic Rarer forms.	79 22 20 7	14 16 3 2	62 9 17 2	7·9 2·2 2· 0·7	2.63 3.01 0.26 0.94	13.86 1.91 3.63 0.42
Total	131	38	93	13.1	7.14	19.83

The predominance of the generally contracted pelvis in colored women (see tables i. and v.), among whom it was 5.27 times more frequent than in white women, is not what one would expect *d priori*, as it is generally stated that it is the form of contracted pelvis most frequently observed in nativeborn white women. And it is well known that the rachitis is extremely common among the colored people of the South; and, on first thought, one would expect that the rachitic pelvis would be the variety most frequently observed among them. Our tables, however, while showing that the rachitic pelvis does occur quite frequently among them, demonstrate that it occurs four times less frequently than the generally contracted pelvis.

The cause for this marked predominance of the generally contracted pelves in the black race is probably to be found in their poor physical condition, many of them being poorly developed and undersized, and it is a well known fact that they possess less power of resistance than the white race, and fall an easier prey to tuberculosis and other chronic diseases. And I do not think that we shall go far wrong in considering the marked frequency of contracted pelves among them as a sign of degeneration, just as Wiedow has done in Switzerland.

The general lack of development in colored women is also shown by the frequent and marked divergence of their

external pelvic measurements from the normal; and we have already pointed out that they were below the standard in at least 50 per cent. of our cases, so that it is only by internal mensuration that we can diagnose contracted pelves among them. From an obstetrical point of view, this lack of development is, to a large extent, compensated for by the smaller size of the children, so that many spontaneous labors occur in pelves through which the birth of a fair sized child would be possible only after operative interference. We accordingly find that operations were performed twice as frequently in our white patients, 58 per cent. of whom were delivered by operative means, as compared with 26 per cent. of the colored women.

Turning to the white women, and comparing our results with those of other American observers, we note in the first place that they completely contradict the statements which Lusk made at the International Gynæcological and Obstetrical Congress in Geneva in 1896, when he stated that contracted pelves are almost unknown in native-born Americans, and that rachitis and osteomalacia never occur. We found 7.15 per cent. of contracted pelves in our white women, and observed three cases of rachitis and one of osteomalacia in women who were born in Baltimore.

On glancing at Table v. we note that the variety of pelvis which we observed most frequently in the white women was the simple flat. This is in accordance with the usual German order of frequency, but does not correspond to the current belief in this country, as it is generally stated that the generally contracted pelvis is the variety most frequently observed in native-born Americans.

When we compare our statistics with those of other American observers, we find that there is almost complete accord between our figures and those of Crossen and Reynolds, the former having observed contracted pelves in 7 per cent. and the latter in 6.8 per cent. of his cases. The discordant note, however, is struck by Flint's statistics, in which he found only 1.42 per cent. of contracted pelves in 10,223 women delivered by the Society of the Lying-in Hospital in New York. Flint's statistics are in marked contrast to those of other American observers, and it is interesting to inquire if any explanation can be found for the difference. On glancing over his statistics,

we find that only 9 per cent. of his patients were American, born; 75 per cent. were Russians and the balance Poles and Bohemians, with a sprinkling of Germans and Negros.

It would appear from the statistics which we have already adduced, that the Russian women have very good pelves, as Hugenberger found only 1.2 of contracted pelves among them, and the same may be said of the Bohemians, as Knapp found only 2.44 of contracted pelves in the mixed German and Bohemian population of Prag. These figures correspond very closely to those of Flint, and it would appear to us that his statistics cannot be said to apply to American women at all, but rather to the Slavonic races.

(Discrepancies in the case numbers employed in the present article and that of Dr. Dobbin are due to the fact that in his article the current Dispensary numbers were used, whether the patient was delivered or not; while in the present article, the out-patient cases are numbered in the order in which they were delivered, and the Hospital cases according to the current obstetrical numbers).

CONCLUSIONS.

- 1. In our material, the frequency of contracted pelves (13.1 per cent.) correspond very closely with the general average of frequency observed in Germany.
- 2. This is due, in large part, to the presence of a large black population in Baltimore, 469 out of our 1,000 cases being colored women.
- 3. Contracted pelves are 2.77 times more frequent in black than in white women, and occur in 19.83 per cent. of the former and 7.14 per cent. of the latter.
- 4. The statistics of Reynolds Crossen, and myself indicate that contracted pelves are observed in about 7 per cent. of the white women of this country, or about once in every fourteenth case.
- 5. Contracted pelves, accordingly occur in our white women about as frequently as in many German clinics, notably Rostock, Breslau and Basel.
- 6. And occur quite as frequently as in Paris (Pinard and Budin) and more frequently than in Vienna.
 - 7. As every fourteenth white and every fifth colored

woman possesses a contracted pelvis, the necessity for routine pelvimetry becomes apparent.

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COMPLETE TABLES UPON WHICH THE ARTICLE IS BASED.—I. Generally Contracted Pelves, Mineteen Cases.

	REMARKS.	Childs head moulded so as to make it seem very	iong in occipier mental diam- ter and very short \$,0.B.					
ents.)	HEAD MEASUREMENTS.	O.F. 12.5 S.O.B. 8.75 Bip. 8.5 Bit. 8		O.F. 10 S.O.B. 9 Bip. 9 Bit. 7.5	O.F. ro.5—9.25 S.O.B. 8.5—8.75 Bip. 7.75—8 Bit. 7—6.75	O.F. 12 S.O.B. 9.75 Bip. 9.5 Bit. 7.5	O.F. 12 S.O.B. (?) Bip. 7 Bit. 5 Circum. 30 cm.	S.O.B. 13 S.O.B. 10? Bip. 9 Bip. 9 Bip. 9 Circum. 35 cm.
Teasurem	RESULT.	Living	Dead	Living	Both living.	Living		
External N	SEX AND WEIGHT.	Male, 61bs. 8 oz.	Male, 2.000 grms, with out brain.	Male, 5 lbs. 6 oz.	Both male, rst, 4 lbs.; 2d 3 lbs. 6 oz,	Male, 8 lbs. 9 oz.	Male, 61bs.	Male 121bs.
ist 18 only the	PUERPERIUM.	Normal	Died on 2d day Male, 2.900 from an infec-grms, with liton with bacil- out brain. Ins Aerogenes capsulatus.	Slightly febrile.	Normal.	Normal. Peri- Male, 81bs. neum per primam.	Normal.	Died on 7th Male 121bs
e, in the la	DURATION OF LABOR.	13 h, 12 m	2 days	•	14½ hours	34 hours	12 hours	
(in the first of Cases both internal and External Measurements were made, in the last 18 only the External Measurements.)	INSTRUMENTAL LABOR.		In labor 2 days when first seen. Uterus tetanically contracted and of bullet stape. Fundus at umbilious. Child large. Arrest of labor pains and absence of petal heart. Par vaginum. L.O.I.T. Head at pelvic brim. L.O.I.T. Head at pelvic brim. Corer, lapping of cranial bones. Extensivecaput succedancum. Physometral Delivered by very difficult cranicolomy and extraction with blunt hook. Pro-		First child L.O.I.A. de- livered by Jow forceps. Second child L.O.I.A. delivered by expression features and Prague method of extracting the aftercoming head.	Labor very long and difficult. Both mother and child in bad condition when delivered. Delivery by difficult forceps with severe laceration of perineum.		Uterus ruptured be- fore we saw case, For- ceps to head on peri- neum. Manual removal of placenta. Laparot- omy refused.
and External M	SPONTANEOUS LABOR.	Spontaneous, second stage long and tedious	*	Spontaneous			Spontaneous, macerated fetus.	
Internal	POSITION	L.O.I.A.		L.O.I.A.	Twins, L.O.I.A. L.S.I.A.	R.O.I.P.	L.O.I.A.	L.O.I.A.
Cases Dotn	PELVIC MEASURE- MENTS.	23.5 26 28.5 18.5	2.22.5.17 10.5.17	23.5 25 28 18.5 II.5	22.5 24 29 18 11.5	22.5 24 27 19 11	20.5 22 26.5 17.5 10.5	22.5 25 28.5 18.5 Conj. vera 9.75
(in the first of	PREVIOUS HISTORY AND LABORS.	Negative.	Abdominal operation done in Austria about one year ago. No par- ticulars, could only speak Polish.	Normal labors.	No history of difficult labors.	History negative.	First labor difficult, second normal. (First child killed to facilitate labor.)	All labors difficult.
	PARA AND AGE.	I-para, no mis.	IV-pare 2 mis.	III-para, 1 mis. 25	IV-para, no mis. 28	I-para, no mis.	III-para 3 mis. 29	XII-para no mis. 35
	NAME, RACE, NO.	A. C. Black, O.A.P.	P. A. Polish, 05.6, 0.P.	C.McP. Black, 140, O.P.	E. S. Black, 151, O.P.	I. C. Black, 166, O.P.	A. T. Black, 209, O.P.	C. D. Black, 2ro, 0.P.
	NO' SEKIES	н	N	m	ngde		9	

REMARKS.			Born with caul over its face, not removed by persons	prosent.							
HEAD MEASURAMENTS.	O.F. 11.5 S.O.B. 9.75 Bip. 8.5 Bit. 7.75	O.F. 11 S.O.B. 9 Bip. 8.5 Bit. 7.25 Circum. 30 cm.	O.F. 10.5 S.O.B. 8 Bip. 8.5 Bit. 8	O.F. 10 S.O.B. 7.5 Bip. 8.5 Bit. 7.5 Circum. 31.	O.F. 11.5 S.O.B. 8.75 Bip. 9.25 Bit. 7.75	S.O.B. 9.5 Bip. 8 Bit. 7.5	O.B. 11.5 S.O.B. 9.25 Bip. 9.5 Bit. 7.5 O.M. 12.5 Circum. 30.5	O.F. 12 S.O.B. 10,75 Bip. 29.5 Bit. 7.5 Circum. 35	O.F. 9.5 S.O.B. 8.5 Bip. 7.75 Bit. 6.5 Circum. 27.5	O.F. 11.25 S.O.B. 9-5 Bip. 8.25 Bit. 7.25	O.F. 11 S.O.B. 10 Bip. 8.5 Bit. 7.5
RESULT.	Living	Living	Dead	Living	Living	Living	*	Living	Living	Living	Living
SEX AND WEIGHT.	Male,8½1b	Male, 61bs.	Male, 51bs. 8 oz.	Female,5%	Female, 6 1bs. 8 oz.	Male, 7 lbs. 8 oz.	Male, 8 lbs.	Male, 8½ 1bs.	Female,5¼	Female, 6 lbs.	Female, 7 lbs.
PRERPERIUM.	Normal	Normal		Normal	Normal	21% hours Febrile — 107. Streptoco's in- fection. Dele- rium. Dischdg 22d day well.	Slighltly feb., I but no signs of infection. Perineum healed per priman.	Normal	Normal	Normal	Normal
DURATION OF LABOR.	pains 18 h, 40 m; ive. 2d stage, 2 50-60 h.	21 hours	12 hours	3 hours	6 hours	211/2 hours	23½ hours	26½ hours	48 hours	2 hours	7 hours
INSTRUMENTAL LABOR.	Low forceps, pains weak and ineffective.						Version and extraction, Perineum torn.				
SPONTANEOUS LABOR.		Spontaneous	Spontaneous, child deliver'd, before doctor arrived.	Spontaneous	Spontaneous	Spontaneous, head remain'd above pelvic brim until last two pains.		Very long and difficult, but spontaneous.	Spontaneous	Spontaneous	Spontaneous
POSITION	R.O.I.P.	R.O.I.A.	R.O.I.A.	R.O.I.A.	L.O.I.A.		R.M.I.T.	L.O.I.A.	23.25 L.O.I.A.	R.O.I.T.	R.O.I.A.
PELVIC MEASURE- MENTS.	.5 24 .5 18	22 24.5 28.5 15.5	21.5 23 26.5 16.5 11	23.5 24 27 17 10.5	24 25.5 28 18 11.5	22.25 24.5 28.5 17.5 11.25	22.5 23.5 27.5 17.5 10.5	24 27 29.5 17.5 11.5	21.75 23.25 28.5 17.5 11.5	25.5	26.5
PREVIOUS HISTORY MI AND LABORS.	All labors severe. No 23.5 instruments.	Labors slow, no in- 28 struments used.	Negative 22, 26, 11	Negative 23	First labor difficult, 24 but normal.	Previous labor non- instrumental.	Negative 22	III-para, Previous labors long 24 no mis. and difficult, but non- 29 instrumental 11.	History negative	Normal labors 23.5	Long and difficult 25 labors, Instruments 29.5 iri
PARA AND AGE,	V-para 2 mis. 36	V-para r mis.	I-para, no mis.	I-para, no mis.	II-para, no mis.	III-para, l no mis. 24	I-para, no mis.		I-para, no mis.	XVIpara XI mis.	III-para, no mis. 30
NAME, RACE, NO.	E.L.K. Black, 216, O.P.	I. F. Black, 286, O.P.	S. M. Black, ²⁹⁵ , O.P.	S. D. C. Black, 321, O.P.	E. C. Black, 332, O.P.	E. P. Black, 344, O.P.	I. S. Black, 378, O.P.	M.B.B. White, 405, O.P.	A. S. Black, 44 ¹ , O.P.	H. B. Black, 465, O.P.	L. T. White, 0,7°,
NO.	∞	O.	OI	H	122	13	41	15	91	17	80

REMARKS.											
HEAD MEASUREMENTS.	O.F. 12.25 S.O.B. 10 Bip. 8.75 Bit. 8. Circum. 30.	O.F. 12 S.O.B. 11 Bip. 8.5 Bit. 7.5	O.F. 11.5 S.O.B. 8.25 Bip. 8.75 Bit. 7.75	O.F. 11.75 S.O.B. 9.25 Bip. 9.75 Bit. 7.75	Not measured	O.B. 11.25 S.O.B. 8.75 Bip. 9.5 Bit 7	O.F. 11. S.O.B. 9.5 Bip. 9.5 Bit. 8 Circum. 31	O.F. 11.5 S.O.B. 9 Bip. 9.5 Bit. 8		O.F. 11.25 S.O.B. 9 Bip. 9. Bit. 8	O.F. 11 S.O.B. 9.5 Bit. 9 Bit. 8 Circum. 31
RESULT.	Living	Living	Living	Living	Macer- ated fetus	Living	Living Marked caput succe'm	Living	Living	Living	Living
SEX AND WEIGHT.	Male, 7¼ 1bs.	Female, 7 lbs.	Female, 7	Female, 7 1bs. 8 oz.	Male, weight?	Male, 7 lbs. 8 oz.	Male, 61bs.	Male, 61bs. 8 oz.	Female, weight?	Female, 7 lbs. 10 oz.	Female, 8 1bs.
PUERPERIUM.	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
DURATION OF LABGR.	40 hours				141/3 hours	12 hours.	24½ hours	18 hours		12½ hours	36 hours
INSTRUMENTAL LABOR.											
SPONTANEOUS LABOR.	Spontaneous, delivered be- fore doctor arrived	Spontaneous	Spontaneous, delivered be- fore doctor arrived	Spontaneous	Spontaneous, macerated fetus.	Spontaneous, 2d stage slow, 5 hours	Spontaneous	Spontaneous	Spontaneous, delivered be- fore doctor arrived.	Spontaneous .	Spontaneous .
POSITION		L.O.I.A.		L.O.I.A.	L.O.I.A.	L.O.I.A.	L.O.I.A.	L.O.I.A.		L.I.O.T.	R.O.I.A.
PELVIC MEASURE- MENTS,	22.5 25 29 19 11	25.5 25 29 18.5 11	23 24.5 29.5 18.75 11.5	24.25 25 29.25 18.5 10.25	19 20 26 15.75 10.5	21 22.5 26.5 20 II	19.5 23 28.5 16.5 11.25	23.25 25.5 30.75 18.5 10.75	21.5 23 28 17 11	23.25 24.5 27.75 19 10.5	23 24½ 28 18 10.5
PREVIOUS HISTORY AND LABORS.	All labors normal, none instrumental	Negative	All labors normal	All labors normal	All labors normal	Labors long and diffi- cult, but no forceps used	History negative	Labors long and diff- out non-instrumental	Labor normal	Labor normal	First labor lasted 54 hours, and was in- strumental
PARA AND AGE.	X-para, no mis. 34	I-para, no mis.	XII-para no mif. 32	III-para, 3 mis.	III-para, no mis. 20	III-para, no mis.	I-para, no mis. 21	VI-para, no mis.	II-para, no mis.	II-para, no mis.	II-para, no mis.
NAME RACE NO.	M. B. Black, O.P.	S. J. Black, 509 O.P.	S. T. Black, 508 O.P.	N. C. Black, 509 O.P.	G. W. Black, 5 ¹⁷ O.P.	C. H. Black, 540 O.P.	K. C. Black, 565 O.P.	M. B., Black, 567 O.P.	C. H. Black, 575 O.P.	F. B. Black, 584 O.P.	J. J. Black, 585 O.P.
series	19	8	21	8	23	42	20	56	27	28	62

REMARKS.		Taken to hosp, and put into incubator on Ed day					Uterine cul- tures sterile	
HEAD MEASUREMENTS,	Not measured	O.F. 9 S. O.B. 7.5 Bip. 6.75 Bit. 6.25 Circum, 24	O. F. 11 S.O.B. 9 Bip. 9 Bit. 7.5	S.O.F. 11.25 S.O.B. 8.5 Bit. 7 Bit. 7	O.F. 11 S.O.B. 9.25 Bip. 8.25 Bit. 7	O.F. II S.O.B. 9.5 Bip. 9 Bit. 8	Not measured	O.F. 11.5 S.O.B. 9.7 Bip. 9 Bit. 8
RESULT.	Dead, macer-	Living	Living	Dead	Living	Living	Dead	Living
SEX AND WEIGHT.	Male, weight?	Female, 3.25 lbs.	Male, 7 lbs. 8 oz.	Male, 6 lbs. 8 oz.	Female, 7 1bs. 6 oz.	Female, 6 lbs. 12 oz.	Months fetus not weighed	Female, 2.785 gms.
PUERPERIUM.	Normal	Temp. 103.7 at time of deliv'y and 102.2 on 2d day; otherwise puerp, normal	Normal, except for one rise to ros on 3d day	Normal	Normal	Normal	Febrile, rise of \$75 months temp, to roz on fetus not adday; on 9th weighed day to ro4.6; uterine cultures taken	Normal
DURATIGN OF LABOR.	18½ hours	17 hours		32½ hours	5% hours	13% hours		
INSTRUMENTAL LABOR.				After patient had been minds borst hours doctor was sent for. Found eter and membranes ruptured. Head above bours, pains becoming weaker and no advence, two attempts which forceps. Cordprolubles and man and man and buy high forceps. Cord prolubles and was found extraction, done with mindfeather feet were brought down six minds after feet were brought down				Patient admitted in. hard labor, and there being no advance for z hours, was delivered by forceps (medium)
POSITION SPONTANEOUS LABOR,	Spontaneous, macerated fetus	Spontaneous	Spontaneous, delivered be- fore doctor arrived		Spontaneous	Spontaneous, but slow	6 months mis., entire ovum expelled at one pain	
POSITION	L.S.I.A.	L.O.I.A.			L.O.I.A.	R.O.I.T.		R.O.I.A.
PELVIC MEASURE- MENTS.	.55 ± 88.33	.55 108.55 .5 108.55	23 24 27.5 17.5 Not taken	21.75 24.5 . 30 18.5 18.5	23	1821	2 1 1 7.5 5 1 1 7.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18 18
PREVIOUS HISTORY ME AND LABORS, M	VIIIpara All labors easy; first 20 no mis, two full term; others 29.5 7 months' babies 11.25	VIIIpara First child instru- 22.75 no mis. ments used. All other 25.25 labors easy 10.5	Negative 23.	Negative 21.3 30 10	2.8	History negative 23.5 27.5 11.5	Patient has marked 23.5 edema and a large 29.5 amount of albumen 11.5 and casts in the urine, otherwise history negative	III-para, First child instru- 23.5 no mis, ments and dead born; 28 24 ad labor hard 17.5
PARA AND AGE.			I-para, no mis.	I-para, r mis. 29	I-para,	I-para, no mis.	I-para, no mis.	
NAME, RACE, NO.	J. W. Black, 591 O.P.	S. I. Black, 600 O.P.	C. H. Black, fré O.P.	E. G. Sinsk, O.P.	G. C. Black, 647 O.P.	E. S. Black, 6 H.	H. W. White, 18 H.	J. P. White, Ä.

REMARKS.		Uterine culture sterile, child in good condition on discharge		Uterine cul- ture sterile				
HEAD MEASUREMENTS.	O.M. 15 O.F. 11.75 S.O.B. 10.75 Bip. 10.44 Bit. 834	O.M. 15 O.F. 12.25 S.O.B. 9.25 Bip. 8.75 Bit. 7,5	O.M. 12 O.F. 10475 S.O.B. 8.25 Bip. 9.25 Bit. 8.25		O.M. 11.5 O.F. 10 S.O.B. 9 Bip. 82.5 Bit. 7	O.M. 13 O.F. 11.5 S.O.B. 9.5 Bip. 9.5 Bit. 8.75	O.M. 13 O.F. 11 S.O.B. 9.75 Bip. 9 Bit. 7.75	O.M. 13.75 O.F. 12 S.O.B. 9.25 Bip. 9 Bit. 8
RESULT.	Living	Living. badly marked ab'thead by f'rcps	Living	Macer- ated fetus about 5 months	Living	Living	Living	Living
SEX AND WEIGHT.	Male, 3210 gms.	Male, 3000 gms.	Pemale, 2785 gms.		Male, 2810 gms.	Male, 3100 gms.	Female, 2840 gms.	Female, 3400 gms.
PUERPERIUM.	Normal	Febrile ror.6. Uterine cul- tures taken	Normal	Febrile, temp. 103.6 on 3d day; culture taken and salt sol. intra-uterine douche given. Temp. normal afterwards	Normal	Normal	Normal	Normal
DURATION OF LABOR.		16 hours	44 hours		4½ hours	23 hours, 13 minutes	4 hours,	16 hours
INSTRUMENTAL LABGR.	On admission—cervix. completely dilated— membranes ruptured; head impacted; cranial bones overlaping, high forceps	Patient admitted in labor; head above pelvic brim; cervix completely dilated; forceps; modified Scanzoni.	stage, 36 hours at her home; when admitted to Hosp, showed signs of exhaustionipuls arratem, roo. Cervix dilated about 6cm, membranes ruptured. She had strong bearing down pains for 2 hours and cervix still remained undilated. The cervix was then dilated with the fingers and forceps applied with.					
POSITION SPONTANEOUS LABOR.				Spontaneous, macerated fetus; patient admitted with child ½ born	Spontaneous	Spontaneous	Spontaneous	Spontaneous
POSITION	R.O.I.T.	R.O.I.P.	L.O.I.A.		R.O.I.A.	R.O.I.A.	R.O.I.A.	R.O.I.A.
PELVIC MEASURE- MENTS.	23 25.5 28 17 9 7†	23.5 25 29 17.5 11 of	29.5 29.25 17 11 2 9 9	23 10 10 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 10	21.5 23.5 26.5 16.5 10.5 9	22 24.5 28 17.5 11† 9.5	21 24 28 18 11.5 10	23 24.5 28 18 11.5 10
PREVIOUS HISTORY AND LABORS.	IV;para, Labors easy, no inno mis. struments. History negative	Negative	Negative	Negative	Labors very easy	Negative	All labors easy	Negative
PARA AND AGE,	IV;para, no mis. 35	I-para, 1 mis. 17	Lpara, no mis, 22	I-para, no mis. 16	II-para, no mis.	I-para, no mis. 16	VI-para, 2 mis.	I-para, no mis.
NAME RACE NO.	M. L. Black, IIO H.	M. M. Syrian 115 H.	L. L. Black, IIS H.	B. D. Black, 125 H.	J. G. Black, 152 H.	O. J. Black, 156 H.	A. W. Black, 1S7 H.	E. W Black, 185 H.

REMARKS.				Marked prominence symph, publs; pubic arch marrow'd Trans, diam, of outlet narrow, 9 cm.		Child's head did not engage until memb's ruptured			Crushed head; poringum re- paired later on gynacological side
HEAD MEASUREMENTS.	O.M. 14 O.F. 10.75 S.O.B. 9 Bip. 9 Bit. 8	O.M. 12.50 O.F. 11.25 S.O.B. 9.25 Bip. 9.25 Bit. 8	Not measured, 5½ months fetus	O.M. 12.5 O.F. 11 S.O.B. 10 Bip. 9.5 Bit. 8.5	O.M. 12 O.F. 11.75 S.O.B. 9.5 Bip. 9.5 Bit, 7.8	O.M. 12.25 O.F. 10.75 S.O.B. 9 Bip. 8.5 Bit. 7.5	O.M. 13.25 O.F. 10.5 S.O.B. 9.25 Bip. 9.25 Bit. 8	O.M. 13.25 O.F. 10 S.O.B. 10.25 Bip. 9. Bit. 7	O.M. 13 O.F. 11.25 S.O.B. 10 Bip. 10 Bit. 9
RESULT.	Living	Living	Living. Lived ½ hour	Living	Living	Living	Living	Living	Dead
SEX AND WEIGHT.	Female, 3350 gms.	Female, 2755 gms.	Female, 765 gms.	Male, 2820 gms.	Female, 3449 gms.	Female, 2510 gms.	Female, 2840 gms.	Female, 2310 gms.	Male, 4,150 gms.
PUERPERIUM.	Normal	Normal	Normal	Normal	Normal	Febrile 101.1 on 4th day, otherwise 110rmal	Normal	Normal	Normal, but perineum did not unite well
DURATION OF LABOR.	30 hours?	11 hours	2 minutes	4 hours, 50 minutes	n hours, 45	24 hours, 45 minutes	20½ hours	31 hours	24 hours
INSTRUMENTAL E	Patient admitted in ad stage of labor; medium thigh forceps applied, child delivered; con- siderable difficulty in bring head past ischiac tuberosities		Accouchement force, 42 minutes version and extraction without difficulty						Premature rupture of membranes. Prophy- lactic bringing down of leg; extraction and craniotomy on after- coming head; complete laceration of perineum;
POSITIGN SPONTANEOUS LABOR.		Spontaneous		Spontaneous	Spontaneous	Spontaneous	Spontaneous	Spontaneous, ist stage long	
OSITIGN	LOIT.	L.O.I,A.	L.O.I.T.?	L.O.I.A.	L.O.I.A.	L.O.I.A.	R.O.I.A.	L.O.I.A.	27 18.75 Legs ex- 9.25 tended
PELVIC MEASURE- I	25.4 24 24 26 16.5 10 8†	23.5 25.5 30.5 19 II 9.5	23 25 28 17 11 9.5	24 26 28 18 18 11.25 9.5	24.5 25.5 29.5 18.5 11 9.5	21 24.75 27.5 16.5 10† 8.5	20.5 22 29.5 17† 10.25 8.25	20.5 23.5 27 17 11.25 9.25	24 27 29.5 18.75 11.25 9.25
PREVIOUS HISTORY MAND LABORS,	Negative	Negative 3	Albumen and casts in aurine; threatened celampsia; pregnancy sk to 6 months	Negative	Previous labor long; 2 no instruments used 2	Slightly rhachitic head; history negative	Negative	Negative	Negative
PARA AND AGE.	I-para, no mis. 16	I-para, no mis. 18	I-para, no mis. 28	I-para, no mis. 26	II-para, no mis.	I-para, no mis.	I-para, no mis. 20	I-para, no mis. 17	I-para, no mis, 20
NAME RACE NO.	G. E. Black, 197 H.	F. H. Black, 202 H.	B. B. White, 219 H.	M. D. White, ²²⁶ H.	E. W. Black, Z27 H.	T. L. White, 228 H.	J. T. Black, 245 H.	M. D. Black, 262 H.	F. F. White, ²⁷⁶ H.
NO.	46	47	8	49	020	51	22	53	4

REMARKS.	Head much elongated at time of birth	Uterine cul- ture shows anacrobic ba- cillus growing only on glu- cost agar; could not be cultivated be- yondorig.tube		Living at time of dischge, but gain no weight Fract. healed; no ut. culture taken on acc't of patient's condition		Uterine cultures sterile	
HEAD MEASUREMENTS.	O.M. 14-75 O.F. 10-75 S.O.B. 8-75 Bip. 9-25 Bif. 8.60	O.M. 14 O.P. 1125 S.O.B. 9 Bip. 9.25 Bit. 8.5	O.M. 11.5 O.F. 9.75 S.O.B. 8.25 Bip. 7.25 Bit. 6	O.M. 11.5 O.P. 9.75 O.D. B. 8.5 Bip. 8 Bit. 7.5	O.M. 13.25 O.F. 11.75 S.O.B. 9 Bit. 9 Bit. 7.5	O.W. 12 O.F. 11.5 S.O.B. 9.5 Bip. 9 Bit. 8.5	O.M. 11.5 O.F. 10 S.O.B. 8.75 Bip. 7 Bit. 6
RESULT.	Living	Living	Dead	Living, asphyx. at birth; fracture of left humerus during delivery	Living	Living	Living, died 3 hours after birth
SEX AND WEIGHT.	Female, 2996 gms.	Male, 3690 gms.	Male,	Female, 1970 gms,	Male, 3150 gms.	Male, 3480 gms.	Female, 1500 gms.
PUERPERIUM.	Normal	Febrile rog; Temp.roz, be- fore delivery, cultures taken at delivery, Intraut. douch salt. sol. given, temp. normal 7th dy. until discharge	Normal	Febrile rog; 17/ convul'ns post partum; vene- section, sweat baths and in- fusions salt. sol.; left hosp. 23d day well.	Normal	Febrile 101.4; salt, sol. uter. douche given; temp. became normal	Rebrile 102.2; Strepto, pyo- genes traced from another patient; temp. normal after douches of
DURATION OF LABOR.	12 hours	io hours?	11 hours	o minutes	21 hours	24 hours	Patient en- ered hosp. in labor
INSTRUMENTAL LABGR.		Patient admitted in blory; head above pelvice brim; membranes my proposed during examination; cervix dilated with Champetier erred by high forceps.	Patient first seen in vortpatient departm't; cervix complétely distured; patient brought to Hosp;, child dead; tracted; decapitation and extraction and extraction and extraction	Accouchement force; ro minutes Pebrile rog; 177 manual dilation of cervix, version, extraction section, sweat baths and in- fusions salt, sol; left hosp.			Placenta previa later. Patienten- alis cervix dilated tered hosp, with Champitier de in labor Ribes bagyversion and extraction
POSITION SPONTANEOUS LABOR,	Spontaneous				Spontaneous	Spontaneous	
POSITION	R.O.I.A.	L.O.I.A.	24.25 Lact I.A. 9.5	R.O.I.T.	L.O.I.A.	L.O.I.A.	L.O.LA.
PELVIC MEASURE- MENTS.	21.5 22 28 18 11.5 10	21.5 23.5 28 17 17 8.25	28.5 28 24.2 11 9.5 17.5	28.3.5 11.5 5.15 5.05 5.05 5.05	23 23.5 27.5 18 11.25 9.25	22 28 28 18.5 11	22 24.5 28.5 17 11.25
PREVIOUS HISTORY AND LABORS,	Previous labor easy; no instruments	Negative	Negative	Labors all normal; patient first seen in eclampsia	Slight curvature of 23 both tibia; learned to 27.5 walk in 2 years 11.25	Negative	Negative
PARA AND AGE.	II-para, no mis.	I-para, no mis. 17	I-para, no mis. 14	IV-para, no mis, 36?	I-para, no mis. r6	I-para, no mis.	I-para, no mis. 22
NAME RACE NO.	L. V. Black, 286 H.	S. R. Black, ²⁸⁷ H.	S. W. Black, 290 H.	D. C. Black, 295 H.	R. D. Black, 307 H.	G. B. Black, 314 H.	M. M. White, 320 H.
NO.	55	26	52	00 00	59	8	19

REMARKS.		Taken to hosp. and put into incubator on £d day					Uterine cultures sterile	
HEASUREMENTS.	Not measured	O.F. 9 S. O.B. 7.5 Bip. 6.75 Bit. 6.25 Circum. 24	O. F. 11 S.O.B. 9 Bip. 9 Bit. 7.5	S.O.F. 11.25 S.O.J.B. 8.5 Bit. 7 Bit. 7	O.F. II S.O.B. 9.25 Bip. 8.25 Bit. 7	O.F. II S.O.B. 9.5 Bip. 9 Bit. 8	Not measured	O.F. 11.5 S.O.B. 9.7 Bit. 8 Bit. 8
RESULT.	Dead, macer- ated	Living	Living	Dead	Living	Living	Dead	Living
SEX AND WEIGHT.	Male, weight?	Female, 3.25 lbs.	Male, 7 lbs. 8 oz.	Male, 61bs. 8 oz.	Female, 7 Ibs. 6 oz.	Female, 6 lbs. 12 oz.	5½ months fetus not weighed	Female, 2.785 gms.
PUERPERIUM,	Normal	Temp. 103,7 at time of deliv'y and 102,2 on 2d day; otherwise puerp, normal	Normal, except for one rise to ros on 3d day	Normal	Normal	Normal	Pebrile; rise of 5% months temp, to zoz on fetus not ad day; on gth weighed day to rous; uterine cultures taken	Normal
DURATIGN OF LABOR.	181/2 hours	17 hours		32% hours	5½ hours	13½ hours		
INSTRUMENTAL LABOR,				After patient had been mas sent for. Found cervix 5 cm. in diameter and membranes ruptured. Head above bours, pains becoming burns, pains becoming waver made to apply high foreps. Cord propuledes. Version and extraction, done with difficulty in about six minutes after feet were brought down the sent and the propulation.	5½ hours			Patient admitted in hard labor, and there being no advalue for a hours, was delivered by forceps (medium)
POSITION SPONTANEOUS LABOR.	Spontaneous, macerated fetus	Spontaneous	Spontaneous, delivered be- fore doctor arrived		Spontaneous	Spontaneous, but slow	6 months mis, entire ovum expelled at one pain	
POSITION	L.S.I.A.	L.O.I.A.	•		L.O.I.A.	R.O.I.T.	•	R.O.I.A.
PELVIC MEASURE- MENTS.	1 23	75 23.5 25 18	23 24 27.5 17.5 Not taken	257 4.60 10.00 10.00	23	25 18 10+	10.55	1 25.75 1 25.75
PREVIOUS HISTORY MEA AND LABORS.	All labors easy; first 20 two full term; others 29.5 7 months' babies 11.25	First child instru- ments used. All other 25.25 labors easy 10.5	Negative 23, 27.5 No	Negative 30.75	201	History negative 23.5 27.5 17.5	Patient has marked 23.5 edema and a large 29.5 amount of albumen 11.5 and casts in the urine, otherwise history negative	III-para, First child instru- 23.5 no mis, ments and dead born; 28 24 ad labor hard ir.5
PARA AND AGE.	VIIIpara no mis.	VIIIpara no mis.	I-para, no mis.	I-para, r mis. 29	I-para,	I-para, no mis.	I-para, no mis.	
NAME, RACE, NO.	J. W. Black, 591 O.P.	S. I. Black, 600 O.P.	C. H. Black, 616 0.P.	B. G. 67.8 67.8 67.8 67.8 67.8	G. C. Black, 647 O.P.	E. S. Black, 6 H.	H. W. White, 18 H.	J. P. White,
NO. SERIES	30	3 H	33	33	34	35	36	37

REMARKS.		Uterine culture sterile, child in good condition on discharge		Uterine culture sterile				
HEAD MEASUREMENTS.	O.M. 15 O.F. 11.75 S.O.B. 101/2 Bip. 101/4 Bift. 834	O.M. 15 O.F. 12.25 S.O.B. 9.25 Bip. 8.75 Bit. 7,5	O.M. 12 O.P. 10-75 S.O.B. 8, 25 Bip. 9, 25 Bit. 8, 25		O.M. 11.5 O.F. 10 S.O.B. 9 Bip. 82.5 Bit. 7	O.M. 13 O.F. 11.5 S.O.B. 9.5 Bip. 9.5 Bit. 8.75	O.M. 13 O.F. 11 S.O.B. 9.75 Bip. 9 Bit. 7.75	O.M. 13.75 O.F. 12 S.O.B. 9.25 Bip. 9 Bit. 8
RESULT.	Living	Living. badly marked ab'thead by f'reps	Living	Macer- ated fetus about 5 months	Living	Living	Living	Living
SEX AND WEIGHT.	Male, 3210 gms.	Male, 3000 gms.	Pemale, 2785 gms.		Male, 2810 gms.	Male, 3100 gms.	Female, 2840 gms.	Female, 3400 gms.
PUERPERIUM.	Normal	Febrile ror.6. Uterine cul- tures taken	Normal	Febrile, temp. 103.6 on 3d day; culture taken and salt sol. intra-uterine douche given. Temp. normal afterwards	Normal	Normal	Normal	Normal
DURATION OF LABOR.		16 hours	44 hours		4% hours	23 hours,	4 hours,	16 hours
INSTRUMENTAL LABGR.	On admission—cervix. completely dilated— membranes ruptured; head impacted; cranial bones overlaping, high forceps	Patient admitted in labor; head above pelvic brim; cervix completely dilated forceps; modified Scanzoni.	stage, 36 hours at her home; when admitted to Hosp, showed signs of exhaustionipulserra; temp, roo. Cervix dilated about form; membranes ruptured. She had strong bearing down pains for 2 hours and cervix still remained undilated. The cervix was then dilated with the fingers and forceps applied with.					
SPONTANEOUS LABOR.				Spontaneous, macerated fetus; patient admitted with child ½ born	Spontaneous	Spontaneous	Spontaneous	Spontaneous
POSITION	R.O.I.T.	R.O.I.P.	L.O.L.A.		R.O.I.A.	R.O.I.A.	R.O.I.A.	R.O.I.A.
PELVIC MEASURE- POSITION MENTS,	23 28 17 9 7†	23.5 25 29 17.5 11 of	22,5 25,5 29,25 17 9	23 16 16 11 9	21.5 23.5 26.5 16.5 10.5 9	22 24.5 28 17.5 11 9.5	21 24 28 18 18.5 10	23 24.5 28 18 II.5 IO
PREVIOUS HISTORY AND LABORS,	Labors easy, no instruments. History negative	Negative	Negative	Negative	Labors very easy	Negative	All labors easy	Negative
PARA AND AGE.	IV;para, no mis. 35	I-para, r mis.	I-para, no mis, 22	I-para, no mis.	II-para, no mis. 23	I-para, no mis. r6	VI-para, 2 mis.	I-para, no mis.
NAME RACE NO.	M. L. Black, 110 H.	M. M. Syrian 115 H.	L. L. Black, 118 H.	B, D. Black, 125 H,	J. G. Black, 152 H.	O. J. Black, 156 H.	A. W. Black,	E. W Black, 185 H.
NO.	80	39	04	14	4	43	4	25

REMARKS.				Marked prominence symph, pubis; pubic arch narrow'd Trans. Allan. of outlet narrow, gem.		Child's head did not engage until memb's ruptured			Crushed head; perineum re- paired later on gynacological side
HEAD MEASUREMENTS.	O.M. 14 O.F. 10.75 S.O.B. 9 Bip. 9 Bit. 8	O.M. 12.50 O.F. 11.25 S.O.B. 9.25 Bip. 9.25 Bit. 8	Not measured, 5% months fetus	O.M. 12.5 O.F. 11 S.O.B. 10 Bip. 9.5 Bit. 8.5	O.M. 12 O.F. 11.75 S.O.B. 9.5 Bip. 9.5 Bit. 7.8	O.M. 12.25 O.F. 10.75 S.O.B. 9 Bip. 8.5 Bit. 7.5	0.M. 13.25 0.F. 10.5 S.O.B. 9.25 Bip. 9.25 Bit. 8	O.M. 13.25 O.F. 10 S.O.B. 10.25 Bip. 9. Bit. 7	O.M. 13 O.F. 11.25 S.O.B. 10 Bip. 10 Bit. 9
RESULT.	Living	Living	Living. Lived ½ hour	Living	Living	Living	Living	Living	Dead
SEX AND WEIGHT.	Female, 3350 gms.	Female, 2755 gms.	Female, 765 gms.	Male, 2820 gms.	Female, 3449 gms.	Female, 2510 gms.	Female, 2840 gms.	Female, 2310 gms.	Male, 4,150 gms.
PUERPERIUM.	Normal	Normal	Normal	Normal	Normal	Febrile 101.1 on 4th day, otherwise normal	Normal	Normal	Normal, but perineum did not unite well
DURATION OF LABOR.	30 hours?	11 hours	42 minutes	4 hours, 50 minutes	ni hours, 45 minutes	24 hours, 45 minutes	20½ hours	31 hours	24 hours
INSTRUMENTAL I	Patient admitted in ad stage of labor; medium high forceps applied, child delivered; con- siderable difficulty in bring head past ischiac tuberosities		Accouchement force, version and extraction without difficulty						Premature rupture of membranes. Prophy- lactic bringing down of leg; extraction and coraniotomy on after- coming head; complete laceration of perineun;
POSITIGN SPONTANEOUS LABOR.		Spontaneous		Spontaneous	Spontaneous	Spontaneous	Spontaneous	Spontaneous, 1st stage long	
POSITIGN	L.O.I.T.	L.O.I.A.	L.O.I.T.?	L.O.I.A.	L.O.I.A.	L.O.I.A.	R.O.I.A.	L.O.I.A.	27 L.S.I.T 18.75 Legs ex- 9.25 tended
PELVIC MEASURE- MENTS.	25.4 24 24 16.5 ro 84	23.5 25.5 30.5 19 II 9.5	23 25 28 17 11 9.5	24 26 28 18 11.25 9.5	24.5 25.5 18.5 11 9.5	21 24.75 27.5 16.5 10† 8.5	20.5 22 29.5 17† 10.25 8.25	20.5 23.5 27 17 11.25 9.25	24, 27, 29.5 18.75 11.25 9.25
PREVIOUS HISTORY AND LABORS,	Negative	Negative	Albumen and casts in urine; threatened eclampsia; pregnancy 5½ to 6 months	Negative	Previous labor long; no instruments used	Slightly rhachitic head; history negative	Negative	Negative	Negative
PARA AND AGE,	I-para, no mis, 16	I-para, no mis.	I-para, no mis. 28	I-para, no mis. 26	II-para, no mis. 22	I-para, no mis. 22	I-para, no mis, 20	I-para, no mis. 17	I-para, no mis. 20
NAME RACE NO.	G. E. Black, 197 H.	F. H. Black, 202 H.	B. B. White, 219 H.	M. D. White, 226 H.	E. W. Black, ²²⁷ H.	T. L. White, 228 H.	J. T. Black, 245 H.	M. D. Black, 262 H.	F. F. White, 276 H.
NO.	94	47	48	49	50	SI	ry Si	233	λ ₂

REMARKS.	Head much elongated at time of birth	Uterine culture shows amacrobic bacillus growing only on glucose agar; could not be culturated beyondorig, tube		Living at time of disciple, but gain no weight Fract. healed; no ut culture taken on acc't of patient's condition		Uterine cultures sterile	
HEAD MEASUREMENTS.	O.M. 14-75 O.F. 10-75 S.O.B. 8-75 Bip. 9-25 Bit. 8-60	O.M. r4 O.P. rr25 S.O.B. 9 Bip. 9-25 Bit. 8-5	O.M. 11.5 O.P. 9.75 O.D. B. 8.25 Bip. 7.25 Bit. 6	O.M. 11.5 O.J. 9.75 O.D. 8.5 Bip. 8 Bit. 7.5	O.M. 13.25 O.F. 11.75 S.O.B. 9 Bit. 9 Bit. 7.5	O.M. 12 O.F. 11.5 S.O.B. 9.5 Bip. 9 Bit. 8.5	O.M. 11.5 O.F. 10 S.O.F. 10 Bip. 7 Bif. 6
RESULT.	Living	Living	Dead	Living, asphyx, at birth; fracture of left humerus during delivery	Living	Living	Living, died 3 hours after birth
SEX AND WEIGHT.	Female, 2996 gms.	Male, 3690 gms.	Male,	Female, 1970 glus.	Male, 3150 gms.	Male, 3480 gms.	Female, 1500 gms.
PUERPERIUM.	Normal	Febrile 193; Temp.102.4 be- fore delivery, culturestaken at delivery, again on aj ddy. Intraut. douch salt. sol. given; remp. normal rth dy. until	Normal	Febrile 103; 177 convul'ns post partum; vene- section, sweat baths and in- fusions salt. sol.; left hosp.	Normal	Febrile 101.4; salt. sol. uter. douche given; temp. became normal	Febrile 102.2; Strepto, pyo- from sunother patient; temp- normal after donches
DURATION OF LABOR.	12 hours	io hours?	11 hours	o minutes	21 hours	24 hours	Patient en- tered hosp. in labor
INSTRUMENTAL LABGR,		Patient admitted in blory; head above pelvice brim; membranes mythured during examination; cervix dilated with Champeter with Champeter ered by high forceps.	Patient first seen in out-patient departm't; cervix completely dilated; membranes ruptred; patient brought to Hosp.; child dead; tracted; decapitation and extraction and extraction	Accouchement force; ro minutes Febrile rog; 177 manual dilation of cervix, version, extraction section, sweat battls and intrinsions salt. sol; left hosp.			Placenta previa later. Patienten- alis, cervix dilated teredhosp, with Champitier de in labor Ribes bagyversion and extraction
POSITION SPONTANEOUS LABOR,	Spontaneous				Spontaneous	Spontaneous	
POSITION	R.O.I.A.	L.O.I.A.	24.25 L.acr L.A 9.5	R.O.I.T.	L.O.I.A.	L.O.I.A.	L.O.I.A.
PELVIC MEASURE- MENTS.	21.5 22 28 18 11.5 10	21.5 23.5 28 17 10 8.25	22.5 28 24.25 11 9.5 19.5	23.55 11.55 18.55 5.55	23.5 9.25	22 24 28 18.5 11 9	22 28.5 17 11.25
PREVIOUS HISTORY AND LABORS.	Previous labor easy; no instruments	Negative	Negative	Labors all normal; patient first seen in eclampsia	Slight curvature of 23 both tibia; learned to 27.5 walk in 2 years 11.25	Negative	Negative
PARA AND AGE.	II-para, no mis.	I-para, no mis. r7	I-para, no mis.	IV-para, no mis. 36?	I-para, no mis. r6	I-para, no mis. 17	I-para, no mis. 22
NAME RACE NO.	L. V. Black, 286 H.	S. R. Black, 287 H.	S. W. Black, 290 H.	D. C. Black, 295 H.	R. D. Black, 307 H.	G. B. Black, 314 H.	M. M. White, 320 H.
NO.	77.	26	22	ν ₀	59	9	19

REMARKS.	Patient would not allow vag. exam. at time of discharge; diam. conj.	not measured							
HEAD MEASUREMENTS.	O.M. 14 O.F. 11 S.O.B. 9-2 Bip. 8-9 Bit. 8.1	O.M. 13.3 O.F. 11.4 S.O.B. 9.1 Bip. 9 Bit. 8.5	S.O.F. 11.5 Bip. 9 Bif. 8 Bif. 8	Not measured	O.F. 11 S.O.B. 9 Bip. 9 Bit. 8.5	O.F 10.5 S.O.B. 8 Bip. 8.25 Bit. 7.5	O.F. 11 S.O.B. 9.5 Bip. 9.25 Bit. 8 Circum. 34.5	O.F. 11 S.O.B. 9 Bip. 7.25 Bit. 7.25 Circum. 30	Not taken
RESULT.	Living, Marked caput succede- neum	Living	Living	Dead, Child not macer- ated	Living	Living	Living	Living	Dead, macer- ated
SEX AND WEIGHT.	Male, 2600 gms.	Male, 2440 gms.	Female Female	Female	Female, 6 1bs. 8 oz.	Female, 7 lbs.	Female, 7 lbs. 12 oz.	Male, 5 lbs.	Male, 6 lbs.
PUERPERIUM.	Normal	Died of eclampsia post partum	rg hours, 20 On roth day of Male, 71bs. minutes puer, patient's Female temp, went pu to 1034, pulse 140. As there were no symp- toms of infec- tion and a marked diarrh enteritis was diagnosed; the next day temp rot, pulse 116; 3 days later both normal	Normal	Normal	Normal	Normal	Normal	Normal
DURATION OF LABOR.	4 hours, 20 minutes	2 hours, 35 minutes	minutes	28% hours	15 hours	33 hours, 40 minutes	26 hours	6 hours	15 hours
INSTRUMENTAL LABOR,			After complete dilata- tion of cervix and several hours of strong second stage pains, ex- amination showed atterus tetanically con- tracted head just en- gaged. Difficult high forceps operation, occiput posterior						
POSITION SPONTANEOUS LABOR.	Spontaneous	Spontaneous		Spontaneous, when called feet present at vaginal outlet,	Spontaneous	Spontaneous	Spontaneous	Spontaneous	Spontaneous, macerated fetus
POSITION	L.O.I.A.	R.O.I.A.	R.O.LP.	Not made out	LO.LA.	L.O.I.P.	R.O.I.P.	L.O.I.A.	R.O.I.A.
PELVIC MEASURE. MENTS.	28,25 25	25.5	29 22.25 29 16.5	23 25	22.5 25.5	21.5 23.5 28.5 18 Not taken	23.75 25 28.5 18 Not taken	23.5 25.5 28.5 16.5 Not taken	22 25 25 29 17
PREVIOUS HISTORY AND LABORS.	Learned to walk at 5 years	Slight bowing of tibia, otherwise nega- tive; threatened eclampsia	Not taken; not registered at dispensary	Walked at 4 years; teeth appeared later than usual; laborsnot instrumental; two breech and one occipital presentations.	Negative	Labors long, but no instruments used	Negative	Negative	Negative
PARA AND AGE.	I-para, no mis.	I-para, no mis.	I-para, no mis,	IV-para, 8 mis. 30	I-para, no mis.	IV-para, r mis.	I-para, 1 mis.	I-para, no mis.	I-para, nomis.
NAME, RACE, NO.	L. V. Black, 338 H.	M. B. Black, 322	Mrs. M. White, O.P.	M. H. Black, 48 O.P.	L. L. White,	M. S. Black, 256 O.P.	A. W. Black, 280 0.P.	I. T. Black, ²⁸¹ O.P.	I. M. C. Black, 334
NO.	62	63	49	65	99	67	89	69	2

REMARKS.									
HEAD MEASUREMENTS.	Not taken	O.F. 11 S.O.B. 18,75 Bip. 9.25 Bit. 7.5 Circum, 31	O.F. 11.5 S.O.B. 9 Bip. 9.5 Bit. 7.5	O.F. 11.5 S.O.B. 9.25 Bip. 10 Bit. 8	O.F. 9.75 S.O.B. 8 Bip. 6.5 Bit. 7 Circum. 26	O.F. 12 S.O.B. 9.25 Bip. 9.25 Bit. 8.25	O.F. 10.75 S.O.B. 8.25 Bip. 8.25 Bit. 7.5 Circum. 27	O.F. 11,10—10,75 S.O.B. 9:5—10 Bip. 8:5—8:5 Bit. 7:5—7:5	O.F. 9.5 S.O.B. 7.5 Bip. 6.5 Bit. 5.5 Circum, 24
RESULT.	Macer- ated fetus	Living	Living	Living	Lived one day	Living	Living	rst living 2d dead	Living died 2d day
SEX AND WEIGHT.	Male, not weighed	Female,	Female, 6 1bs. 12 oz.	Female, 6 lbs. 1 oz.	Male, 3 lbs.	Male, 7 lbs. 8 oz.	Female, 4 lbs.	Females, each one weighed 5½ lbs.	Male, 3 lbs.
PUERPERIUM.	Normal	Normal	Normal	Normal	Febrile	Normal	Normal	Normal	Febrile
DURATION OF LABOR.	4 days	2 hours, 25 minutes	20 hours	2½ hours	6½ hours	10 hours	23 hours	3¼ hours	
INSTUMENTAL LABOR,									
SPONTANEOUS LABOR.	Spontaneous, maceratep fetus	Spontaneous	Spontaneous	Spontaneous	Spontaneous, child died be- fore doctor arrived	Spontaneous	Spontaneous	Spontaneous; twins; 1st born before doctor arrived.	Spontaneous; delivered before doctor arrived
POSITION	L.O.I.A.	L.O.I.A.	R O.I.A.	L.O.I.A.	0 0 0 0 0 0	L.O.I.A.	L.O.I.A.	Head presen- tations	
PELVIC MEASURE- MENTS.	22.5 26 30 17.5	22 24 28 18,25	23 26 29.5 17.5	20.5 23 27.5 17.5	21.5 26	22.5 25 28.75 17.5	28.75 17	23.5 28.5 16	24 25
PREVIOTS HISTORY MAND LABORS.	Labors normal, no instruments	Labor difficult, deliv-	Negative	Labor long and difficult	History negative	Negative	Labor normal, no instruments	IV-para, No history of instru- no mis. mental labors	Tuberculosis. (J. H. 24 H.dispensary); began 27.75 to walk at 9 months
PARA AND AGE.	II-para, 3 mis. 37	II-para, no mis. 22	I-para, no mis.	H-para, no mis.	I-para, no mis. 20	I-para, no mis.	V-para, r mis. 29		I-para, no mis.
NAME RACE NO.	Black,	I. B. Black, 422	M. R. White, O.P.	L. M. Black, 0.P.	S. C. Black, 0.P.	B, H. Black, 467	L. W. Black, 0.P.	H. G. Black, 498 O.P.	R. M. Black, 543 O.P.
NO. SERIAL	71	72	73	74	75	96	77	78	79

2. Rachitic Pelves, Twenty Cases.

REMARKS,							
HEAD MEASUREMENTS.	O.F. 12 S.O.B. 11 Bip. 10 Bit. 8.5	O.F. 11 S.O.B. 10 Bip. 9 Bit. 8 Circum. (?)	O.F. 11.5 S.O.B. 9 Bip. 8.5 Bit. 8	Bit. 13.5 S.O.B. 11.5 Bip. 11 Bit. 10.5	O.F. 10.5 S.O.B. 8.5 Bip. 8.5 Bit. 7.5	0.18, 12 S,O.B. 10.5 Bip. 9 Bit. 7.5	O. F. 11.5 S. O. B. 9.75 Bip. 8.5 Bit. 7.5
RESULT.	Living	Living	Living	Living	Living	Dead	Living
SEX AND WEIGHT.	Male, 81bs.	Female, 7 1bs. 8 oz.	Female, 7 1bs.	Male, 81bs.	Female,4%	Male, 71bs. 8 oz.	Male, 81/2 lbs.
PUERPERIUM.	Normal	Normal	Normal	Normal, perineum healed	Normal	Normal	Normal
DURATION OF LABOR,	6¼ hours	15 h, 40 m	ro hours	20 hours	60 6	io hours	18 h, 40 m
INSTRUMENTAL LABOR.	Extraction very easy up to delivery of after coming head.	Difficult; high forceps.	High forceps to movable head, 2% hours after of complete dilatation of cervix.	Labor long; high forceps; difficult application and tear of perineum.		Patient had 3 hours of strong second stage pains and head did not enter pelvis; an attempt made to apaply forceps failed; delivered by very difficult version, during which child died.	Low forceps head in R.O.L.T.
SPONTANEOUS LABOR.						Spontaneous I	
POSITION	L.S.I.A.	L.O.I.P.	R.O.I.P.	R.O.I.P.	L.O.I.A.	R.O.I.P.	R.O.I.P.
PELVIC MEASURE- MENTS.	25.75 24.5 31 18.1	23 24 30 18	23 24 29 17 11	22.5 23 27 17.5 II	20.5 21.5 25.5 15.5 10.5	24 25 332 17.5 10.25	24 24.5 29 17.5 11
PREVIOUS HISTORY AND LABORS.	Walked at 7 years; 25.75 both labors long; for-	Walked at 2 years; labors both very slow non-instrumental	First labor forceps, two others with dead children, rest normal; marked signs rachitis	Walked at one year, marked symptoms of rachitis.	Comparatively easy labor; no instruments; gives definite signs of rachitis.	Distinct history of rachitis; labors hard, 24 but without instru- 20 ments.	Labors difficult; non- instrumental
PARA AND AGE.	III-para, no mis. ²⁷	III-para, 1 mis. 28	IX-para, no mis. 36	I-para, no mis.	II-para, no mis.	X-para, 2 mis. 37	V-para 2 mis.
NAME, RACE, NO.	E. D., White, O.P.	L. J., Black, O.P.	S. D., Black, 59, O.P.	S. G., Black, ¹³⁶ , O.P.	G. A., Black, ²⁰⁷ , O.P.	M. A., Black, 208, O.P.	E. K., Black, ²¹⁶ , O.P.
NO. SERIES	н	Ø	m	*	rv.	v	7

REMARKS.							Patient did not enterhosp, until after she had labored some time		
HEAD MEASURAMENTS.	O. F. 10.5 S. O. B. 9. Bip. 8.75 Bit. 8. Circum. 31.	O.F. 9.75 S.O.B. 8 Bip. 8 Bit. 7 Circum. 27.5	O.F. 11.75 S.O.B. 9.5 Bip. 9.75 Bit. 8.25 Circum, 34	O.F. 11.5 S.O.B. 8.75 Bip. 8.75 Bit. 8 Circum. S.O.B. 34	O.F. 11 S.O.B. 8.75 Bip. 9 Bit. 7.5	O. M. 11 O.F. 11 S.O.B. 10 Bip. 8.25 Bit. 7.1	O.M. 12.75 O.F. 11.75 S.O.B. 9.6 Bip. 8.75 Bit. 8.15	O.M. 11.75 O.F. 11 S.O.B. 9.5 Bip. 8.5 Bit. 8	O.M.'re.3 O.F. 12 S.O.B. 10 Bip. 9.5 Measurements on crushed head
RESULT.	Living	Living	Living	Living	Living	Dead	Living, cord abt neck; as- phyxi'td, resus. by hot and cold wat.	Living, badly as- phyxi'td, resuci-	Dead, heart not heard at begin- ning of operat'n
SEX AND WEIGHT.	Female, 6 1bs.	Female,4¾	Female, 7 1bs.	Female, 7 1bs. 4 oz	Female,7% 1bs.	Male, 3300 grams	Female, 3540 gms.	Female, 2730 gms.	Male, 2077 grams
PRERPERIUM.	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Febrile roz.6, due to infection with bacillicoli com temp, normal afterdouching uterus with salt sol. perineum healed
DURATION OF LABOR,	8	1 h, 35 m	17 hours	18 hours	31½ hours	48 hours	47 hours	8	
INSTRUMENTAL LABOR,	Symphysiotomy and delivery by forceps.			Extraction.		Patient in labor for some time and head would not enter pelvis. Delivered by very difficult high forceps.	Patient delivered by high forceps, considerable difficulty in delivering the shoulders.		Patient suddenly, seized with convulsions and child delivered by version, with coming head; perineum slightly torn and repaired.
POSITION SPONTANEOUS LABOR,		Spontaneous	Spontaneous		Spontaneous			Spontaneous, child deliver'd before doctor could reach ward	
POSITION	L.O.I.T.	L.O.I.A.	L.O.I.A.	R.S.I.A.	R.O.I.A.	L.O.I.T.	R.O.I.T.	L.O.I.A.	L,0,1.A.
PELVIC MEASURE- MENTS.	25.5 24.5 28 13.5 9.25 7.25	23.5 24 27.5 17	27.5 28 30 17 11.25	25.75 24.5 31 18	24 24.5 29 17.5 11	26 27 31 16.5 10.25 8.25	29.5 25.5 29.5 15.5 9.75 7.75	22 24.5 29 . 18 10 . 8	25.25 26 28 174 10 8
PREVIOUS HISTORY AND LABORS,	Typically rachitic; slight bowing of tibia; distinct outw'rd'curving femur; head above pelvic brim.	All labors easy, signs 23.5 of rachitis,	First 4 labors easy, last instruments used	Walked at first 7 years, 2 labors, for- eeps; 3d labor difficult extraction of L.S.I.A.	First 4 labors spontaneous, but difficult; 5th, low forceps	Learned to walk at 4 yrs, marked symptoms of rachitis	First child delivered 25.5 by cranictomy on liv- 29.5 ing child 9.75	Tibla showed distinct rachitic curve, says she had some fractures as a child	Negative
PARA AND AGE,	I-para, no mis.	IV-para, no mis.	VI-para, no mis. 20	V-para no mis. 29	VI-para, 2 mis. 36	I-para, no mis.	II-para, no mis.	I-para, no mis. 20	I-para, no mis. 24
NAME, RACE, NO.	S. B., Black, 265, O.P.	H. G., Black, ²⁸³ , O.P.	S. K., Black, 291, O.P.	E. D., I White, 355, O.P.	E. K., Black, 649,	M. M., Black, ²⁰ , H.	R. B., Black, 78, H.	G. C., Black, 84, H.	S. N.; Black, ro7, H.
SERIES NO.	∞	6	OI	Ħ	12	H3	4.	15	9 #

REMARKS.	Post-partum exam. conj. obliq. ros. No cultur taken on account of weak condition of patient		Uterine culture taken at time of delivery showed strepto and strepto and straphylococcity culture taken two days later shows bacillus aerogenes capsulatus & bac, coli com.	
HEAD MEASUREMENTS,	O. M. 12 S.O. B. 9 Bip. 9 Bit. 8	O.M. 14 O.F. 12 S.O.B. 10 Bip. 9.5 Bit. 8	O.M. 13.80 O.B. 12.10 S.O.B. 9.75 Bit. 8.50	O.M. 13.5 O. F. 11 S.O.B. 9.25 Bip. 8.75 Bit. 7.5
RESULT.	Dead, Stillborn	Living	Dead before admis- sion to ward	Living
SEX AND WEIGHT.	Pemale, 2500 gms,	Male, 3200 gms.	Female, 1895 gms.; weighed without brain	Female, 3282 gms.
PUERPERIUM.	28% hours Temp, 101.6 on 2d and 3d day. Remainder of puerp, normail and patient went home well on 15th day	Normal	Febrile 103.3; incontinence of urine from th to sothday; patient dis- charged on 36th day in goodcondition	Normal
DURATION OF LABOR.	28% hours	11 hours	23 hours	22 h, 40 m
INSTRUMENTAL LABOR.	premature rupture of a membranes. Patient in hospital a days with ruptured membranes and slight pains. Champetier de Rives' balloon introduced, and after some severe pains expelled. Cervix dilated rud cord prolapsed. Version was quickly done, but the onlid was de ad. Mother's pulse very weak and rapid during operation; roc cc. blood lost.	Cervix completely di- lated in 4% hours, mem- branes were then rup- tured and second stage pains confinued for 6 hours and head did not engage. High forceps,	Patient admitted after having been in labor as hours, and repeated attempts had made by an outside physician to deliver the by forceps. Uterus tetanically contracted, cord prolapsed and not hivered by perforation and cranicolasis	
SPONTANEOUS LABOR.				Spontaneous
POSITION	Brow, face to right	R.O.I.T.	LO.LT.	L.O.I.A.
PELVIC MEASNRE- MENTS.	24.4 28.4 17.2 9.5 9.5	23.75 24.5 30.5 17.5 11 9	Spines 23.5 Crests 23.5 Troch. 28 D.B. 16.5 Cong. diam Setimated C.V. 7.5 Ant. post, diam. of outlet 8 Pransvers diam. of	26.5 26.5 32.5 18 10.75 9
PREVIOUS HISTORY AND LABOR,	Learned to walk at 6 years, first labor normal.	II-para, First labor very diffi- 23.75 no mis. c ullt, instruments 30.5 23 used.	Marked lateral curv. Spines 23.5 L.O.I.T. and the tibia curved Crests 23.5 and the tibia curved Troch 28 antero-posteriorly, D.B. 16,5? With the convexity Cong. diam backward. On look-pack is noted that CV. 7.5 the sacrum is particu-Ant. post. larly prominent and diam. of presents a well presents a well marked ridge extend. Transvers marked ridge extend diam. of portion.	II-para, Previous labors, short 26,5 no mis, and easy, no fistru-, 32,5 20 ments used. Well 10,75 marked bowing of
PARA AND AGE.	II-para, no mis.		I-para, no mis, 25	
NAME, RACE, NO.	A. H., Black, H.39 H.39	L. T., Black, 183 H.	M. S., White, 316 H.	E. F., Black, 333
NO.	17	8 H	91	80

3. Simple Flat Pelves, Twenty-five Cases.

REMARKS,		Reported by Dr. Williams & Dr. Dobbin.	Reported by Dr. Williams & Dr. Dobbin.	Reported by Dr. Dobbin.			Reported by Dr. Dobbin.	Reported by Dr. Williams & Dr. Dobbin. and in No. 2 of this series.	
HEAD MEASUREMENTS.	O.F. 12.5 S.O.B. 9.5 Bip. 9.5 Bit. 8.5		O.F. 12 S.O.B. 9% Bip. 10 Bit. 9 Circum. 34	O.F. 10.5 S.O.B. 10.75 Bip. 9 Bif. 8.5 Circum. 32	O.F. 11.5 S.O.B. 15.5 Bip. 9.5 Bit. 9	O.F. 12 S.O.B. 10.5 Bip. 9	O.F. 13 S.O.B. 11.5 Bip. 9.5 Bit. 8.5 Bit. 8.5		O.F. 10-75 S.O.B. 9 Bip. 8.75 Bit. 7.5
RESULT,	Living	Living, died 2d day	Living	Living	Dead	Living	Living	Living	Living
SEX AND WEIGHT.	Male, 7 lbs. 8 oz.	Male, 5 lbs. 8 oz.	Male, 8 lbs.	Female Ibs. 8 oz.	Male rolbs.	Male, 81bs.	Male, 91bs.	Female,	Male, 61bs.
PUERPRRIUM.	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal, ex- cept for one rise of ror.2 on 4th day
DURATION OF LABOR.	9 hours, 55 minutes		6% hours	8¼ hours		8 hours	9% hours	7 hours	61% hours
INSTRUMENTAL LABOR,					Cervix fully dilated for six hours, high forceps; version, difficulty with after coming head; child died; crani otomy.		After a very long 2d stage patient was delivered by a difficult high forceps operation.		
SPONTANEOUS LABOR.	Spontaneous	Miscarried at 6½ months; later normal, except for slight tear of perineum	Spontaneous, head above pelvic brim until begin- ning of second	Spontaneous, but slow; posterior arm behind neck of child when delivered		Spontaneous		Spontaneous delivered be- fore doctor arrived	Spontaneous, childdelivered before physi- cian arrived
POSITION	L.O.I.P.	L.O.I.A.	L.O.I.A.	R.O.I.T.	L.O.I.A.	L.O.I.A.	L.O.I.A.		R.O.I.A.
PELVIC MEASURE- MENTS	24 26 30½ 18 11	28 29 31 17 10.5	24 27 32 18 11	24.5 27 31 17 11	26 28 32 21 11½	25.5 27 30.5 19 10.5	25 27.5 32 18 11.5	24 27 32 18 11	24.5 28.5 30.75 17.5 10.75
PREVIOUS HISTORY AND LABOR.	Spontaneous	Both labors difficult; 28 craniotomy on both 31 occasions.	Walked at 4 years; labors normal.	Labors normal	First labor instru- mental, dead child; other two labors long and tedious,	Spontaneous	Both labors instru- mental; forceps. First child killed during delivery.	Walked at 4 years, labors normal.	First two labors long forceos in first, third labor spontaneous and short.
PARA AND AGE.	VIIIpara no mis. 35	III-para, no mis. 38	VII para, 2 mis. 39	VI-para, 1 mis. 30	IV-para, no mis. 26	III-para, no mis. 25	III-para, no mis. 25	VIIIpara tz mis. 39	V-para, no mis. 32
NAME, RACE, NO.	J. J. Black, O.P.	K. H., Irish, O.P.	G. B., Black, ⁴² O.P.	M. B., White, ⁶⁷ O.P.	M. K., White, Inf O.P.	B. A., White, 186 O.P.	Mrs.S., White, O.P.	S. B., Black, 250 O.P.	L. K., White, 0.P.
SERIAL NO.	н	Ø	co.	4	ν	9	7	00	0

REMARKS.			Uterine culture showed same organism as found in vagina be-	Uterine cul- ture sterile		Uterine cul; ture sterile			No uterine culture taken, on account of the difficulty in putting her ina position to take it.
HEAD MEASUREMENTS.	O.F. ro.5 S.O.B. 8.5 Bip. 9.75 Bit. 7.5	O.F. 11.25 S.O.B. 9.75 Bip. 9.75 Bit. 8.5	O.M. 14 O.F. 11.5 S.O.B. 9.5 Bip. 9.25 Bit. 8.50	O.M. 13.75 O.F. 11.6 S.O.B. 11.5 Bip. 10 Bit. 8.75	O.M. 12 O.F. 11.25 S.O.B. 9.25 Bip. 9. Bit. 8.10	O.M. 13.7 O.F. 11.9 S.O.B. 9 Bip. 9.5 Bit. 8.5	O.M. 12.25 O.F. 11.5 S.O.B. 9.75 Bip. 9.25 Bit. 8.25	O.M. 14 O.F. 11.75 S.O.B. 8.5 Bip. 82.5 Bit. 8	O.M. 13 O.F. 12 S.O.B. 10.25 Bitp. 9.6 Bit 8.25
RESULT.	Living	Living	Living	Living	Living	Living, head much elongatd at birth	Living	Living	Living
SEX AND WEIGHT.	Female, 7	Male, 81bs.	Female, 3435 gms.	Male, 3730 gms.	Male, 3035 gms.	Male, 3236 gms.	Female, 2400 gms.	Female, 3420 gms.	Male, 3050 gms.
PUERPERIUM.	Normal	Normal	Febrile 102.6	Febrile 102.1, due to injury of pubic joint? perineum well healed	Normal	Practically normal, one rise to ror	Practically normal, one rise during convulsions to ror.8, only one convulsion during puerperium	Normal	Normal, except for silght rise of temp.
DURATION OF LABGR.	11 hours	7% hours	11% hours	14 hours	14 50-60 hrs	9 hours, 35 35 minutes	11 minutes	20 hours	
INSTRUMENTAL I	Version and extraction; head above hip strait after complete dilatation of cervix. Prolapsed cord.		Second stage pains 11% hours stated two hours and were very ineffectual, child delivered by low forceps.	Difficult extraction; leff clavicle of child fractured, perineum lacerated, rupture of pubic ligaments?	;		Patient admitted in zr minutes convulsions; accouchement force, version.		. Membranes ruptured . before dilatation of cervis, followed by no pains; Champetier de Rives' balloon introduced, version and extraction. The after coming head delivered by a difficult M. S. V. hananceuvre.
SPONTANEOUS LABOR.	• • • • • • • • • • • • • • • • • • •	Spontaneous			Spontaneous	Spontaneous		Spontaneous	
POSITION	R.O.I.T.	L.O.I.A.	L.O.I.A.	L.S.I.A.	R.O.I.P.	L.O.I.A.	R.O.I.T.	L.O.I.A.	L.A.I.A.
PELVIC MEASURE- MENTS.	19 26.5	26.5	20 H 20 W	27.5	5 26 17.5	25 17 9	27 27 28 29 5	200 600 600 600 600 600 600 600 600 600	29 194 8.5
	32 24.5	30	303	d 26.5	30 30 11	24 28 10.54	31.5 31.5 5.5 5.5	30.5 20.5 20.5	27.75 8 10.5 9
PREVIOUS HISTORY AND LABORS.	2d and 7th labors forceps, others spon- taneous, but long	Previous labors easy	Negative	First and third child delivered by instruments, both deadborn; second labor fairly easy	Negative	Negative	All labors easy, no instruments	Negative	First two labors and inficult, craniotomy on both; ad premature in birth 6½ months? After 3d pregnancy she was paralyzed
PARA AND AGE.	VIIIpara no mis. 36	II-para, no mis.	I-para, no mis.	IV-para, r mis. 30	I-para, no mis. 30	I-para, no mis.	VI-para, no mif. 34	I-para, no mis, 19	IV-para, no mis. 36
NAME RACE NO.	L. T., Black, 621 O.P.	C. D., Black, 644 O.P.	A. F., Black, 28 H.	G. N., White, 83 H.	V. G., Black, II2 H.	L. F., Black, 138 H.	L. J., White, I.7°	P. S., Black, 208 H.	K. H., Irish, 243 H.
SERIES NO.	OI .	II	12	H 33	M 4	N N	91	17	CO H

REMARKS,				Head of child remained above pelvic brim untilwell on in labor	Head of child remained above supe- rior strait un- til it was extracted		
HEAD MEASUREMENTS,	O.M. 14.50 O.F. 11.50 S.O.B. 9.75 Bip. 9.25 Bit. 9.25	O.M. 12.25 O.F. 11.75 S.O.B. 10.25 Bip. 9.25 Bit. 7.75	0.M. 13.5 0.F. 11.75 S.O.B. 9.5 Bip. 9.4 Bif. 8.3	O.M. 11.5 O.F. 11.5 S.O.B. 9.5 Bip. 9. Bit. 8	O.M. 12.5 O.F. 12 S.O.B. 11.25 Bip. 9 Bit. 8	O.F. 11 S.O.B. 9 Bip. 9 Bit. 8	O.F. 11 S.O.B. 9.5 Bip. 9 Bit. 8
RESULT.	Living	Living	Living	Living. caput succd'm well marked	Living	Living	Living
SEX AND WEIGHT.	Male, 3130 gms.	Male, 3730 gms.	Male, 3710 gms.	Male, 3710 gms.	Male, 3230 gms.	Female, 7 lbs. 12 oz.	Female, 6% lbs.
PUERPERIUM.	Normal	Normal	Normal	Febrile 104, temp. not accounted for; culture from uterus sterile	Normal	Normal	Normal
DURATION OF LABOR.	25 hours, 26 minutes	7 hours, 40	rr hours, 25 minutes	69 hours, 40 minutes	rz hours, 30 minutes	6 hours, 52 minutes	12½ hours
INSTRUMENTAL LABOR.		Owing to the great 7 hours, 40 amount of sear tissue around the outlet, double episiotomy.			Membranes ruptured ra hours, 30 accidently while making vaginal examination and cord prolapsed; as it could not be replaced, version and extraction.	High forceps.	32 /2 hours
PELVIC MEASURE- POSITIGN SPONTANEOUS MENTS.	Spontaneous	Spontaneous, membranes ruptured at onset of labor.		Spontaneous, very long first stage			Spontaneous
POSITIGN	L.O.I,A.	R.O.I.A.	27.75 L.O.I.A. 16.5 9.25	L.O.I.A.	L,O,I.P.	L.O.I.T.	L.O.I.A.
PELVIC MEASURE- MENTS.	27 28.5 29 17.5 10.5 8.5	25 11	24.25 27.75 28.5 16.5 11.25 9.25	24.5 26 31.5 18 10.5 8.75	25.5 28 29.5 18.5 11 9	24 26 30.5 18	27.5 17.5
PREVIOUS HISTORY AND LABORS.	Negative	First child delivered by forceps, complete tear of perineum	Negative	Negative	History negative.		First labor forceps, 24.5 others normal 27.5
PARA AND AGE.	I-para, no mis.	II-para, r mis.	I-para, no mis.	I-para, no mis. 16	I-para, no mis.	I-para, no mis.	V-para' 1 mis.
NAME RACE NO.	L. S., White, 258 H.	J. L., White,	J. D., White, 312 H.	E. W., White,	A. Z., White, Ger- man Jew.	M. C., White,	E. L., White, 545 O.P.
SEKIES	19	8	T C	e e	ed 60	4	8. N

4. Irregular Forms of Contracted Pelves, Seven Cases.

	REMARKS.	Osteomalacia in a native born white woman.	Obliquely contracted coxalgic pelvis,	Obliquely con tracted coxal gic pelvis.	Obliquely contracted coxalgic pelvis.
	HEAD MEASUREMENTS.	Head crushed	O.F. 11.15 S.O.B. 9 Bip. 8 Bit. 8	O.F. 12,75 S.O.B. 10,5 Bip. 10,5 Bip. 9 Circum, 3,63	O.F. 11.5 S.O.B. 9.75 Bip. 9.5 Bit. 8.5
	RESULT.	Dead	Dead	Living	Living
cacao.	SEX AND WEIGHT.	Pemale, 8 1bs. 4 oz.	Female, 5 lbs. 4 oz.	Male, ro lbs.	Male, 9 lbs.
	PUREPERIUM.	Normal	Normal	Normal	Attented dur-Male, 9 lbs. ing puerperrium by Fran
60410	DURATION OF LABOR.	10% hours	11% hours	4½ hours	30 hours
the modern of the contract of	INSTRUMENTAL LABOR,	had been in labor some hours in charge of a midwife. Uterus telanic and presents the shape characteristic of pelvic obstruction. Vaginal examination shows distortion of the public bones and public bones and public bones and public bones and public for the telanic pelvis is generated in the typical entire pelvis is generally contracted for miner pelvis is generally contracted for montory very prominent and overhangs markedly the rest of the sacrum. The oblique conjugate measures is cm., which, however, does not indicate the true pelvic eapacity, on account of the deformity of public bones arch; child dead, large fontanelle presenting in the left anterior portion of the pelvistelilevery by very difficult Basiotripsy and extraction with	Difficult high forceps 11% hours operation, which was complicated by the ankylosis of left hip.	Prolapse funisiversion, extraction. The anteropost, diameter of pelvis is not affected, but the right pelvis wall is markedly flattened & pushed toward the median line. Transverse contraction of outlet	Version and very difficult extraction.
	POSITIOT SPONTANEOUS LABOR.				
	POSITIOT	Brown present. ing, face to left	L.O.I.T.	20 R.O.I.T.	L.O.I T.
	PELVIC MEASURE- MENTS.	13 28 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21.5 24 30 18 Symph, 7 high	30.5 20 30.5 30.5 30.5 30.5 30.5 30.5 30.5 30.	26 27.5 32 20 II 9
	PREVIOUS HISTORY AND LABOR,	First seven labors ago, when two months ago, when two months pregrant, she was years and became 3 years and became 3 years and became 1 ure. In the last ten years she has had served dead born; for were dead born; for were dead born; for cases. She now has pans in pelvic bones, and walks with a peculiar gait.	Left coxalgia, with complete ankylosis of hip. First 3 labors normal, last 3 very difficult.	All three children delivered by forceps, all children large. Gives history of puerperal infection after each labor. Old coxaligia of right hip causing oblique distortion of pelvis.	All labors difficult, but spontaneous; marked deformitydue to old healed coxalgia of right leg.
	PARA AND AGE.	no mis. 38	VII para no mis. 38	IV-para, no mis. 31	Mrs H., VII para, White, 2 mis. 640, 0.P.
	NAME, RACE, NO.	L. L., White, O.P.	M. B., White, 69, O.P.	Mrs.S., White, 269, 0.P.	
	SERIAL NO.	н	S	tu.	4

REMARKS.	Obliquely contracted pelvis, congenital dislocation of right	Double congental dislocation of hips.	Spondylolis-thesis.
HEAD M EASUREMENTS.	O.M. 12 O.F. 10.5 S.O.B. 8.5 Bip. 8.5 Bit. 7	O.M. 13 O.F. 12 S.O.B. 10.5 Bip. 9.25 Bit. 8	O.M. 13.4 O.P. 11.6 S.O.B 9.6 Bip. 9.1 Bit. 717
RESULT.	Living	Living	Living
SEX AND WEIGHT.	Female, 2270 gms.	Male, 4000 gms.	Male, 3085 gms.
PUERPERIUM.	Normal	Normal	Died on 9th day
DURATION OF LABOR.	12 hours, 24 minutes	12 hours, 50 minutes	4% hours
INSTRUMENTAL LABOR.	L.O.I.A. Spontaneous 12 hours, 24 minutes	12 hours, 50 minute	Syphysiotomy.
PELVIC MEASURE- POSITION SPONTANEOUS MENTS.	Spontaneous	L.O.I.A. Spontaneous	
NOITION	L.O.L.A.	L.O.I.A.	Oblique head in one iliac fossa
PELVIC MEASURE- MENTS.	24.5 17.5 9	26 18.25 9 cm	29 18 9.5 7.5 7.17ansv1rse contract'n of outlet.
PREVIOUS HISTORY AND LABORS.	VI-para, Labors all easy, no 23.5 2 mis, instruments u s e d, 27 36 congenital dislocation 10.5 nof right hip.	Congenital disloca- 25,5 tion of hips, 12.5	Healthy and well 24 27 until 9 years ago, she 29 18 and injured her right hip. First colid 44 Transvrse years ago spontane- contract'n ous. On vaginal expansion the entire bar vertebra has been dislocated downward and forward, and covers the entire surface of the first sacral
PARA AND AGE.	VI-para, 2 mis. 36	M. N., I-para, White, no mis. 232 26 H.	II-para, no mis. 22
NAME RACE NO.	H. M., Black, 337 H.	M. N., White, 232 H.	J. T., Black, 261 H.
NO.	מו	9	6

